

ABSTRACT

A diagnostic circuit for a treble loudspeaker of a
loudspeaker combination of a low-frequency output stage, and
5 a method for diagnosing the functionality of the treble
loudspeaker. In order to determine the functionality of the
treble loudspeaker with relatively little complexity and
high reliability, a diagnostic circuit is provided that
comprises an HF signal-generating device for outputting an
10 HF voltage signal, at least one terminal for a loudspeaker
combination, a measuring resistor that, upon connection of
the loudspeaker combination to the terminal, forms therewith
a voltage divider circuit, and a measurement device for
measuring a complex measured voltage dropping in the voltage
15 divider circuit and for ascertaining a condition of the
treble loudspeaker of the loudspeaker combination.